

Product Data Sheet



W5-JEM1

EtherNet/IP to RS-232/485 Serial Device Gateway

Cost-optimized, multi-protocol, ASCII gateway
 perfect for RS-232/485 Serial Device Integration

Product Description

The WRC SerTek™ **W5-JEM1** is a single channel EtherNet/IP to Serial Device Gateway typically used to interface barcode scanners, torque guns, mass flow controllers, printers and other serial devices into higher level automation system architectures. The W5-JEM1 features a built-in network switch to allow easy daisy-chaining of W5-JEM1 modules with other EtherNet/IP devices. The RS-232/485 serial port has a 9-pin D-sub connector to interface Modbus ASCII/RTU devices as well as other generic ASCII protocols.

General features and benefits include:

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- Built-in EtherNet/IP switch for easy daisy-chaining
- Embedded web server for configuration and status via a web browser
- Configurable serial port supports generic ASCII, Modbus ASCII or Modbus RTU protocols
- Maximum serial packet size 255 bytes
- Serial channel fully isolated from the Ethernet network
- Supports RTS/CTS hardware flow control for RS-232
- Configurable parameters for baud rate and frame format
- Serial Baud rates from 1200 to 115.2K baud
- Serial packet ACK support for RX/TX to/from EtherNet/IP PLC
- Add on Instruction (AOI) for Rockwell PLCs
- 5-year Hardware Warranty
- WRC Evergreen™ Life Cycle Support Program

Use WRC SerTek Serial Device Gateways with:

- Weigh Scales
- Power Monitors
- Torque Guns
- Barcode Scanners
- Printers
- SCADA Systems
- Mass Flow Controllers
- Lighting Controllers
- Variable Frequency Drives
- LED Message Signs
- HVAC Roof Top Units
- Dehumidification Units

W5-JEM1

EtherNet/IP to ASCII Serial Device Gateway

MODEL/ORDER NUMBERS

W5-JEM1-DH2 Single serial channel, DIN rail mounted

GENERAL SPECIFICATIONS

EtherNet/IP Device Profile:	Generic Device Type 0X2B
EtherNet/IP Conformance:	Conforms to the ODVA EtherNet/IP Specification Version 1.23
Ethernet Link Speed:	10/100MBits
IP Address selection:	Static via web browser (Default: 192.168.1.10)
Power Supply	5.0 – 28.0Vdc 1A user replaceable fuse (spare fuse included)
Maximum Power:	2.4W, 100mA @ 24Vdc supply, 480mA @ 5Vdc supply
Minimum RPI:	4ms
Serial Port Isolation	1000V DC Isolation
Size:	DH2: 2.000"x2.575"x 4.950" without connectors attached
Operating Temp:	-40 to + 70 C
Humidity:	0-95% RH, non-condensing
RoHS	Yes, (RoHS 2)
CE Mark	No

